

Title (en)

Production of solder masked electric circuit boards

Title (de)

Herstellung von lötmaskierten Leiterplatten

Title (fr)

Fabrication de plaquettes de circuit imprimé masquées contre la soudure

Publication

EP 0480365 B1 19960110 (EN)

Application

EP 91117125 A 19911008

Priority

JP 27095990 A 19901008

Abstract (en)

[origin: EP0480365A2] The present invention provides a process for forming a solder mask on an electric circuit board (3) without any defects. The process comprises forming an electric circuit on a substrate, coating a negative type photosensitive solder resist (2) on the obtained electric circuit board, and then exposing to light through a negative film (4) followed by developing, characterized in that the negative type photosensitive solder resist is electrodepositable and said coating of the solder resist is conducted by electrocoating the resist on an electroconductive transfer substrate (1) which is different from the electric circuit board and then transferring the coated film onto the electric circuit board (3).

IPC 1-7

H05K 3/34

IPC 8 full level

H05K 3/28 (2006.01); **H05K 3/00** (2006.01)

CPC (source: EP US)

H05K 3/281 (2013.01 - EP US); **H05K 3/0079** (2013.01 - EP US); **H05K 2203/0152** (2013.01 - EP US); **H05K 2203/066** (2013.01 - EP US); **H05K 2203/135** (2013.01 - EP US); **Y10S 430/136** (2013.01 - EP US)

Citation (examination)

EP 0204415 A2 19861210 - NIPPON PAINT CO LTD [JP]

Designated contracting state (EPC)

DE FR GB NL

DOCDB simple family (publication)

EP 0480365 A2 19920415; **EP 0480365 A3 19920826**; **EP 0480365 B1 19960110**; CA 2052937 A1 19920409; DE 69116295 D1 19960222; DE 69116295 T2 19960627; JP H04146687 A 19920520; US 5181984 A 19930126

DOCDB simple family (application)

EP 91117125 A 19911008; CA 2052937 A 19911007; DE 69116295 T 19911008; JP 27095990 A 19901008; US 77311991 A 19911008